

- ☒ Drafts
- ☒ Pending
- ☒ Active
  - 🔍 L1: (2) ("4110754") or ("3715753").PN.
  - 🔍 L2: (13243) Radar and (Auto or automobile or automotive or car or vehicular)
  - 🔍 L3: (1569890) (Distance or range) and (velocity or speed)
  - 🔍 L4: (8386) 2 and 3
  - 🔍 L5: (603083) Oscillating or oscillator
  - 🔍 L6: (2592) 4 and 5
  - 🔍 L7: (196113) Carrier near9 (frequency or signal)
  - 🔍 L8: (1031) 6 and 7
  - 🔍 L9: (874877) Delay or delaying
  - 🔍 L10: (770) 8 and 9
  - 🔍 L11: (70702) ((first same second) or dual or two) same 7
  - 🔍 L12: (491) 10 and 11
  - 🔍 L13: (577050) amplitude
  - 🔍 L14: (390) 12 and 13
  - 🔍 L15: (261997) phase same difference
  - 🔍 L16: (283) 14 and 15
  - 🔍 L17: (1402475) mixer or mixing
  - 🔍 L18: (209) 16 and 17
  - 🔍 L19: (146) 18 and @ad<="20030617"
  - 🔍 L20: (0) juergen-boetzel-florstadt.inv.
  - 🔍 L21: (55) boetzel-juergen.inv.
  - 🔍 L22: (30) schmid-tirk.inv.
  - 🔍 **L23: (4262) ((34270-72) or (34282-88) or (342109-115) or (342127-137))cc15;**
  - 🔍 L24: (2128) 23 and @ad<="20030617"
  - 🔍 L25: (3) Radar AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range...
- ☒ Failed
  - 🔍 2 and 31
- ☒ Saved
- ☒ Favorites
- ☒ Tagged (9)
- ☒ UDC
- ☒ Queue
- ☒ Trash

34270-72  
34282-88  
342109-115  
342127-137

Document Issue Date Pages Title Inventor Current

Page Date Inventor Title

	Search Terms	Total	USPAT	US-PCP	EPO	JPO	Derivs
1	342/109	515					
2	342/110	71					
3	342/111	147					
4	342/112	85					
5	342/113	199					
6	342/114	265					
7	342/115	318					
8	342/127	318					
9	342/128	557					

No text available to display



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  - L1: (2) ("4110754" or ("3715753")).PN.
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  - L13: (577050) amplitude
  - L14: (390) 12 and 13
  - L15: (261997) phase same difference
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  - L17: (1402475) mixer or mixing
  - L18: (209) 16 and 17
  - L19: (146) 18 and @ad<="20030617"
  - L20: (0) joergen-boetzel-florstadt.inv.
  - L21: (55) boetzel-joergen.inv.
  - L22: (30) schmid-dirk.inv.
  - L23: (4262) ((342/70-72) or (342/82-88) or (342/109-115) or (342/127-137)).CCLS.
  - L24: (2128) 23 and @ad<="20030617"
  - L25: (3) (Radar/AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range)
- Failed
  - L25: (3) (Radar/AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range)
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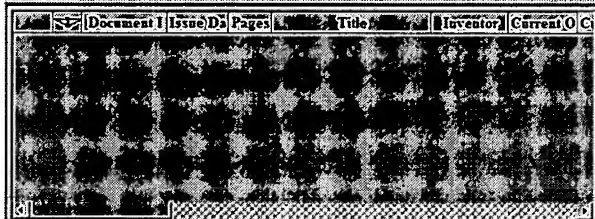
US-PGUBIUSPATAUSOCREFOPJOJDERWENTHBMATDS

Default operator: OR

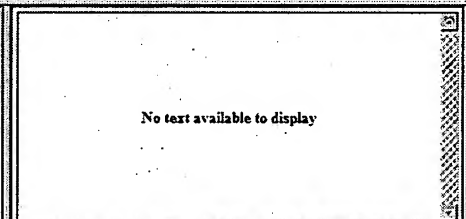
(Radar AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range) AND (velocity OR speed) AND (Oscillating OR oscillator) and carrier).clu

*Interference search*

Structured form Custom form BRS form ATISAR form F/P/F Details Image Text HTML



Search Terms	Total	USPAT	US-PCP	EPO	JPO	Derive
1 AUTO	102157					
2 AUTOE	0					
3 AUTOES	0					
4 AUTOMOBILE	148225					
5 AUTOMOBILE	71347					
6 AUTOMOTIVE	133747					
7 AUTOMOTIVE	181					
8 AUTOS	1013					
9 CAR	145521					



## EAST Search History


Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	((("4110754") or ("3715753"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/20 08:43
L2	13243	Radar and (Auto or automobile or automotive or car or vehicular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:43
L3	1569890	(Distance or range) and (velocity or speed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:43
L4	8386	2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:43
L5	603083	Oscillating or oscillator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:43
L6	2592	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:44
L7	196113	Carrier near9 (frequency or signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:44
L8	1031	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:44

## EAST Search History

L9	874877	Delay or delaying	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:44
L10	770	8 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:46
L11	70702	((first same second) or dual or two) same 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:47
L12	491	10 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:47
L13	577050	amplitude	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:47
L14	390	12 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:47
L15	261997	phase same difference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:48
L16	283	14 and 15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:48

## EAST Search History

L17	1402475	mixer or mixing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:48
L18	209	16 and 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:49
L19	146	18 and @ad<="20030617"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:17
L20	0	juergen-hoetzel-florstadt.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:53
L21	55	hoetzel-juergen.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:55
L22	30	schmid-dirk.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 08:55
L23	4262	((342/70-72) or (342/82-88) or (342/109-115) or (342/127-137)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/20 09:17
L24	2128	23 and @ad<="20030617"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:18
L25	3	(Radar AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range) AND (velocity OR speed) AND (Oscillating OR oscillator) and carrier).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 09:19

Interference search 

## SEARCH NOTES FOR EAST, IEEE, INSPEC, IP.COM, AND PROQUEST

**SERIAL NUMBER**

10517790

### EAST SEARCH

EAST: search history attached

### IEEE SEARCH

Search terms:

Radar <and> (Auto <or> automobile <or> automotive <or> car <or> vehicular) <and> (Distance <or> range) <and> (velocity <or> speed) <and> (Oscillating <or> oscillator) <and> Carrier <and> frequency

No relevant results were found.

### INSPEC SEARCH

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	Radar AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range) AND (velocity OR speed) AND (Oscillating OR oscillator) AND Carrier AND frequency	unrestricted	0	-
2	INZZ	Radar AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range) AND (velocity OR speed) AND (Oscillating OR oscillator) AND Carrier	unrestricted	0	-
3	INZZ	Radar AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range) AND (velocity OR speed) AND (Oscillating OR oscillator)	unrestricted	6	

**Inspecc - 1969 to date (INZZ)**

**A high resolution radar for short range automotive applications.**

*Source*

28th European Microwave Conference Proceedings, 1998, vol.1, p. 590-4 vol.1, 0 refs, pp. 2 vol. (viii+750+789), ISBN: 0-86213-141-3.

Publisher: Miller Freeman UK, London, UK.

**Author(s)**

Weidmann-W, Steinbuch-D.

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**"Multifunctional radar sensor for automotive application"**, IEEE Transactions on Microwave Theory and Techniques, May 1998, vol. 46, no. 5, p. 701-8, Wollitzer-M, Buechler-J, Luy-J-F, Siart-U, Schmidhammer-E, Detlefsen-J, Esslinger-M.

**A distance-warning equipment for motor vehicles, using 35 GHz pulse technique.**

**Source**

Mikrowellen Magazin, {Mikrowellen-Mag-West-Germany}, Aug. 1982, vol. 8, no. 4, p. 426-9, 8 refs,

CODEN: MKMGDD, ISSN: 0722-8244, West Germany.

**Author(s)**

Bucher-A, Grunbeck-W, Pischke-J, Wocher-B.

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1

## IP.COM SEARCH

**Search query:** Radar AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range) AND (velocity OR speed) AND (Oscillating OR oscillator)

**Published** 6-17-2003 (Original publication date )

**Before:**

No relevant documents found.

## PROQUEST SEARCH

Radar AND (Auto OR automobile OR automotive OR car OR vehicular) AND (Distance OR range) AND (velocity OR speed) AND (Oscillating OR oscillator)

No relevant documents found.